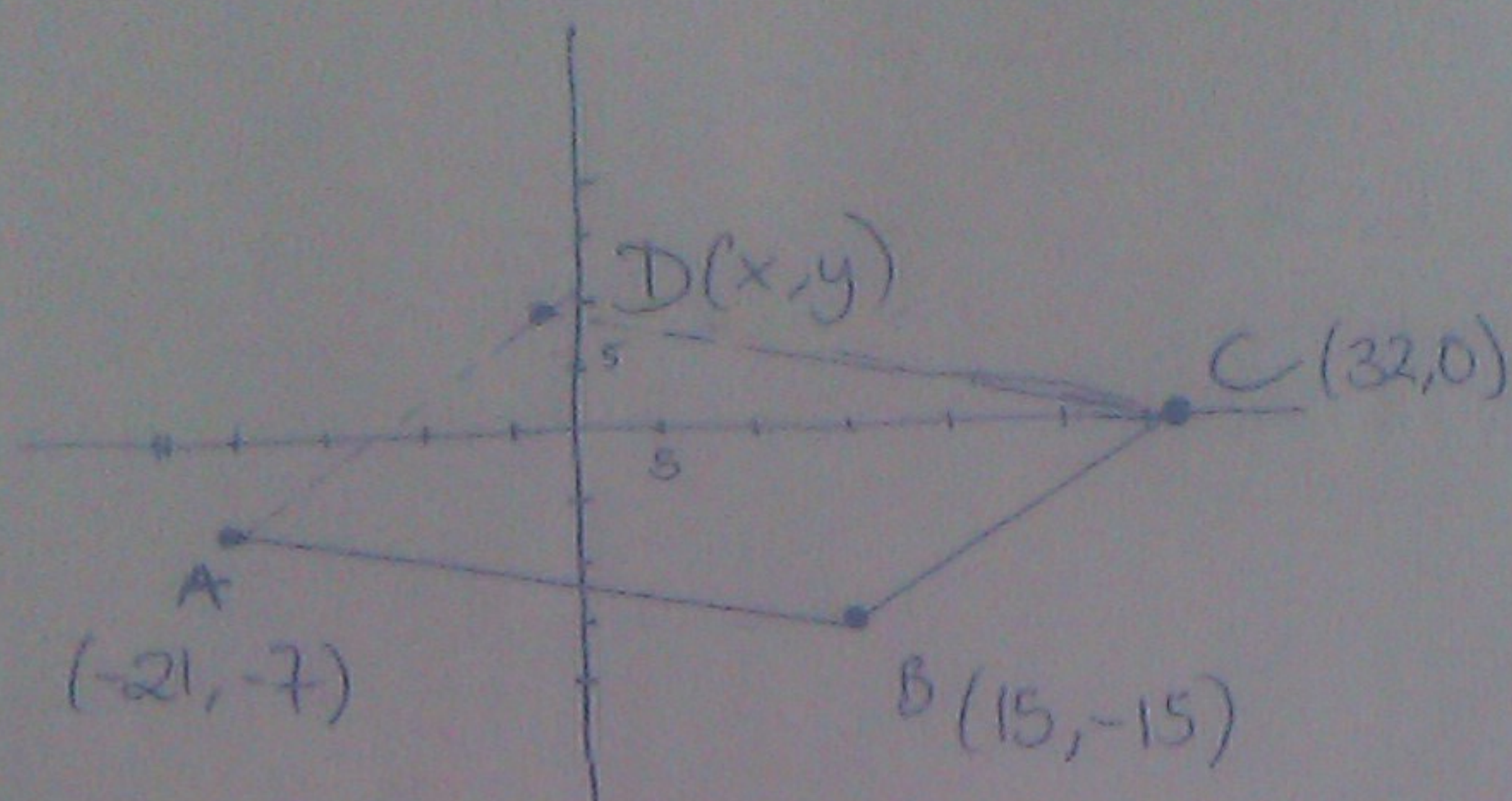


6



$$\vec{BA} \parallel \vec{CD}$$

$$\vec{BC} \parallel \vec{AD}$$

$$\vec{BA} = (-36, 8) \quad \parallel \quad \vec{CD} = (x-32, y)$$

$$\vec{BC} = (17, 15) \quad \parallel \quad \vec{AD} = (x+21, y+7)$$

$$\begin{array}{l} -36 = x - 32 \quad \parallel \quad x = -4 \quad \leftarrow x + 21 = 17 \\ y = 8 \quad \parallel \quad y = 8 \quad \leftarrow y + 7 = 15 \end{array}$$

luego $D = (-4, 8)$.

$$|\vec{BA}| = \sqrt{(-36)^2 + 8^2} = 36'88 \text{ u}$$

$$|\vec{BC}| = \sqrt{17^2 + 15^2} = 22'67 \text{ u}$$